

Twinning of Lawyers

September 12, 2020

Modern technology as part of sustainable development

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Sustainable development =

- ❑ Development that meets the needs of the present without compromising the ability of future generations to meet their needs.
- ❑ Balancing of economic, social, environmental, and technological considerations as well as the incorporation of a set of ethical values.

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- ❑ Local, regional and global environmental degradations
 - ❖ Loss of biodiversity
 - ❖ Greenhouse gas emissions
 - ❖ Worldwide deforestation
 - ❖ Urban air pollution
 - ❖ Acid rain
 - ❖ Shortage of water

- ❑ Great uncertainties about the causes and effects of global environmental changes

- ❑ Severe consequences for national economies, human health, and quality of life

Opportunities offered by rapid technological change

- ❑ Accelerating and monitoring progress towards sustainable development
- ❑ Improving food security, nutrition and agricultural development
- ❑ Promoting energy access and efficiency
- ❑ Enabling economic diversification and transformation, productivity and competitiveness
- ❑ Promoting social inclusion
- ❑ Confronting disease and improving health
- ❑ Improving access to educational learning and resources

Transformation and disruptive potential of rapid technological change

- ❑ Automation, labour markets and employment
- ❑ Socioeconomic divides
- ❑ Normative considerations

Directing rapid technological change to support sustainable development

- ❑ Global technology foresight and assessment for rapid technological change
- ❑ Inclusive discourse on the normative dimension of rapid technological change

Technological innovation and sustainability = challenging task

- Calls for :
- ❑ Changes in attitude of the scientific community
 - ❑ Increased awareness in the population
 - ❑ Development of monitoring and forecasting
 - ❑ Value placed on ethics and social responsibility